Listing of Claims:

1. (Currently amended) An authentication method for identifying a subscriber of a first network (2) in a second network, comprising the steps of:

a) allocating an address of said second network (9) to said subscriber;

b) generating information about a mapping between the subscriber's address in said second network (9) and a subscriber identity; and

c) transmitting the mapping to said second network,

wherein said subscriber is identified in the VAS platform based on said mapping information.

2. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said mapping information is transmitted to said second network, when said mapping between said address in said second network and the subscriber identity has changed.

3. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said subscriber identity is at least one of an IMSI and an MSISDN of the subscriber.

4. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said mapping information is transmitted in an access request message.

5. (currently amended) ~~An~~ The authentication method according to claim 4, wherein said request access message is a RADIUS access request message.

6. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said authentication server functionality is included in the VAS platform.

7. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said authentication server functionality is provided by a dedicated authentication server.

8. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said mapping information is generated by an authentication client functionality in a GGSN.

9. (currently amended) ~~An~~ The authentication method according to claim 1, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

10. (currently amended) An authentication system for identifying a subscriber ~~(1)~~ of a first network ~~(2)~~ in a second network ~~(9)~~, comprising:

    a)   a gateway device ~~(5)~~ comprising allocation means ~~(51)~~ for allocating a address of said second network ~~(9)~~ to said subscriber ~~(1)~~, and authentication client means ~~(52)~~ for generating an information about a mapping between said address of said second network ~~(9)~~ and a subscriber identity, and for transmitting said mapping information to said second network ~~(9)~~; and

    b)   an authentication server ~~(8)~~ provided in said second network ~~(9)~~ and adapted to log and maintain said mapping information

    c)   wherein said authentication server ~~(8)~~ is a server for a VAS platform ~~(7)~~ provided in said second network ~~(9)~~, wherein said VAS platform ~~(7)~~ is adapted to identify said subscriber ~~(1)~~ based on said mapping information.

11. (currently amended) ~~An~~ The authentication system according to claim 10, wherein said gateway device is a GGSN ~~(5)~~.

12. (currently amended) ~~An~~ The authentication system according to claim 10, wherein said authentication client means ~~(52)~~ is a RADIUS client.

13. (currently amended) ~~An~~ The authentication system according to claim 10, wherein said server ~~(8)~~ is a RADIUS server.

14. (currently amended) ~~An~~ The authentication system according to claim 10, wherein said subscriber identity is an IMSI or an N4SISDN.

15. (currently amended) ~~An~~ The authentication system according to claim 10, wherein said authentication client means ~~(52)~~ is arranged to transmit said mapping information in an access request message to said authentication server ~~(8)~~.

16. (currently amended) ~~An~~ The gateway device for connecting a first network ~~(2)~~ to a second network ~~(9)~~, comprising:

a)   allocation means ~~(51)~~ for allocating an address of said second network ~~(9)~~ to a subscriber ~~(1)~~ of said first network ~~(2)~~; and

b)   authentication client means ~~(52)~~ for generating an information about a mapping between said address of said second network ~~(9)~~ and a subscriber identity, and network ~~(9)~~,

      wherein said authentication client means ~~(52)~~ is a RADIUS client.

17. (currently amended) ~~An~~ The gateway device according to claim 16, wherein said authentication means ~~(52)~~ is arranged to transmit said mapping information in an access request message.

18. (currently amended) ~~An~~ The authentication method according to claim 2, wherein said subscriber identity is at least one of an IMSI and an MSISDN of the subscriber.

19. (currently amended) ~~An~~ The authentication method according to claim 2, wherein said mapping information is transmitted in an access request message.

20. (currently amended) ~~An~~ The authentication method according to claim 3, wherein said mapping information is transmitted in an access request message.

21. (currently amended) ~~An~~ The authentication method according to claim 2, wherein said mapping information is generated by an authentication client functionality in a GGSN.

22. (currently amended) ~~An~~ The authentication method according to claim 3, wherein said mapping information is generated by an authentication client functionality in a GGSN.

23. (currently amended) ~~An~~ The authentication method according to claim 4, wherein said mapping ink information is generated by an authentication client functionality in a GGSN.

24. (currently amended) ~~An~~ The authentication method according to claim 5, wherein said mapping information is generated b an authentication client functionality in a GGSN.

25. (currently amended) ~~An~~ The authentication method according to claim 6, wherein said mapping information is generated by an authentication client functionality in a GGSN.

26. (currently amended) ~~An~~ The authentication method according to claim 7, wherein said mapping information is generated by an authentication client functionality in a GGSN.

27. (currently amended) ~~An~~ The authentication method according to claim 2, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

28. (currently amended) ~~An~~ The authentication method according to claim 3, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

29. (currently amended) ~~An~~ The authentication method according to claim 4, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

30. (currently amended) ~~An~~ The authentication method according to claim 5, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

31. (currently amended) ~~An~~ The authentication method according to claim 6, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

32. (currently amended) ~~An~~ The authentication method according to claim 7, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

33. (currently amended) ~~An~~ The authentication method according to claim 8, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

34. (currently amended) ~~An~~ The authentication system according to claim 11, wherein said authentication client means ~~(52)~~ is a RADIUS client.

35. (currently amended) ~~An~~ The authentication system according to claim 11, wherein said server ~~(8)~~ is a RADIUS server.

36. (currently amended) ~~An~~ The authentication system according to claim 12, wherein said server ~~(8)~~ is a RADIUS server.

37. (currently amended) ~~An~~ The authentication system according to claim 11, wherein said subscriber identity is an IMSI or an MSISDN.

38. (currently amended) ~~An~~ The authentication system according to claim 12, wherein said subscriber identity is an IMSI or an MSISDN.

39. (currently amended) ~~An~~ The authentication system according to claim 13, wherein said subscriber identity is an IMSI or an MSISDN.

40. (currently amended) ~~An~~ The authentication system according to claim 11, wherein said authentication client means ~~(52)~~ is arranged to transmit said mapping information in an access request message to said authentication server ~~(8)~~.

41. (currently amended) ~~An~~ The authentication system according to claim 12, wherein said authentication client means ~~(52)~~ is arranged to transmit said mapping information in an access request message to said authentication server ~~(8)~~.

42. (currently amended) ~~An~~ The authentication system according to claim 13, wherein said authentication client means ~~(52)~~ is arranged to transmit said mapping information in an access request message to said authentication server ~~(8)~~.

43. (currently amended) ~~An~~ The authentication system according to claim 14, wherein said authentication client means ~~(52)~~ is arranged to transmit said mapping information in an access request message to said authentication server ~~(8)~~.